

PATENT
2611-0179P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: MATSUMOTO, Wataru

Int'l. Appl. No.: PCT/JP01/07066

Appl. No.: New Group:

Filed: March 15, 2002 Examiner:

For: METHOD OF AND APPARATUS FOR
COMMUNICATION

PRELIMINARY AMENDMENT

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, DC 20231

March 15, 2002

Sir:

The following Preliminary Amendments and Remarks are respectfully submitted in connection with the above-identified application.

AMENDMENTS

IN THE SPECIFICATION:

Please amend the specification as follows:

Before line 1, insert --This application is the national phase under 35 U.S.C. § 371 of PCT International Application No. PCT/JP01/07066 which has an International filing date of August 16, 2001, which designated the United States of America.--

Docket No. 2611-0179P

IN THE CLAIMS:

Please amend the claims as follows:

3. (Amended) The communication apparatus according to claim 1, wherein

the transmitter unit spreads (multiplexes) transmission data assigned to a $(2i-1)$ th subcarrier and a $2i$ th subcarrier which are adjacent to each other, with a predetermined spreading code, conducts inverse Fourier transform on the signal subjected to the spreading, and thereby generates the transmission symbol, and

the receiver unit despreads (demultiplexes) the demodulated data with the spreading code, and reproduces orginal transmission data assigned to the $(2i-1)$ th subcarrier and the $2i$ th subcarrier which are adjacent to each other.

Docket No. 2611-0179P

REMARKS

The specification has been amended to provide a cross-reference to the previously filed International Application.

The claims have been amended to remove multiple dependencies.

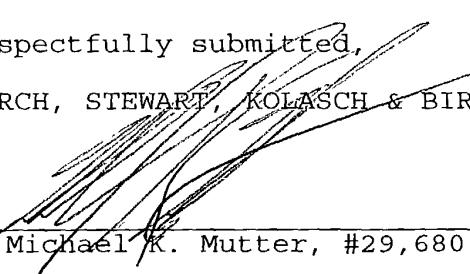
Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly solicited.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By


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MKM/rem
2611-0179P

Attachment: VERSION WITH MARKINGS TO SHOW CHANGES MADE

(Rev. 02/21/02)

Docket No. 2611-0179P

VERSION WITH MARKINGS TO SHOW CHANGES MADE

The specification has been amended to provide a cross-reference to the previously filed International Application.

IN THE CLAIMS:

The claims have been amended as follows:

3. (Amended) The communication apparatus according to claim 1 [or 2], wherein

the transmitter unit spreads (multiplexes) transmission data assigned to a $(2i-1)$ th subcarrier and a $2i$ th subcarrier which are adjacent to each other, with a predetermined spreading code, conducts inverse Fourier transform on the signal subjected to the spreading, and thereby generates the transmission symbol, and

the receiver unit despreading (demultiplexes) the demodulated data with the spreading code, and reproduces original transmission data assigned to the $(2i-1)$ th subcarrier and the $2i$ th subcarrier which are adjacent to each other.